

FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 890050.515USPC	APPLICATION NO. 10/518,683
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Masaaki Kobayashi et al.	
		FILING DATE June 18, 2003	GROUP ART UNIT 2831

U.S. PATENT DOCUMENTS


*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AD	AA	4,831,494	05/16/89	Arnold et al.	361	306	
AD	AB	5,369,545	11/29/94	Bhattacharyya et al.	361	306.2	
AD	AC	5,880,925	03/09/99	DuPré et al.	361	303	
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
AS	AJ	61-15316	01/23/86	JP		
AS	AK	62-189715	08/19/87	JP		
AS	AL	6-31715	08/22/94	JP		
AS	AM	7-27144	01/27/95	JP (+ Abstract in English)		
AS	AN	2001-307955	11/02/01	JP (+ Abstract in English)		
AS	AO	2002-313676	10/25/02	JP (+ Abstract in English)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	
	AQ	
	AR	

EXAMINER 	DATE CONSIDERED 10/26/05
--	--------------------------

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).